

FILE 'HOME' ENTERED AT 18:16:10 ON 16 NOV 2009

=> file agricola  
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.22	0.22

FILE 'AGRICOLA' ENTERED AT 18:16:27 ON 16 NOV 2009

FILE COVERS 1970 TO 16 Nov 2009 (20091116/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s saprolegnia and desaturase  
277 SAPROLEGNIA  
1510 DESATURASE  
L1 0 SAPROLEGNIA AND DESATURASE

```
=> desaturase and 20 and carbon  
DESATURASE IS NOT A RECOGNIZED COMMAND  
The previous command name entered was not recognized by the system.  
For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).
```

=> s desaturase  
L2 1510 DESATURASE

```
=> s 20 or 22  
      107934 20  
      54239 22  
L3      153960 20 OR 22
```

=> s 12 and 13 and carbon  
62071 CARBON  
L4 13 L2 AND L3 AND CARBON

=> d 1-13

L4 ANSWER 1 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2009) on STN

AN 2008:96513 AGRICOLA

IN 2000:98915  
DN TND44075690

DN IND4407500  
TI Reduced Oil Accumulation in Cottonseeds Transformed with a Brassica Nonfunctional Allele of a Delta-12 Fatty Acid Desaturase (FAD2)

AU Nonfunctional Allele of a Deleted 12 Fatty Acid Desaturase (FAD2). Chapman, K.D.; Neogi, P.B.; Hake, K.D.; Stawska, A.A.; Speed, T.R.; Cotter, M.O.; Garrett, D.C.; Kerby, T.; Richardson, C.D.; Ayre, B.G.

SO Coker, M.Q., Garrett, B.C., Kerby, T., Richardson, C.D., Ayle, B.G.  
Crop science, 2008 July-Aug Vol. 48, no. 4 p. 1470-1481  
ISSN: 0011-183X

NTE Includes references

NIE Includes references

DT Article; (ELECTRONIC RESOURCE)  
FS Other US  
LA English

L4 ANSWER 2 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2009) on STN  
AN 2008:18670 AGRICOLA  
DN IND44000302  
TI Identification and characterization of a novel yeast d-fatty acid desaturase acting on long-chain n-6 fatty acid substrates from *Pichia pastoris*.  
AU Zhang, Xinxin; Li, Mingchun; Wei, Dongsheng; Xing, Laijun  
SO Yeast, 2008 Jan. Vol. 25, no. 1 p. 21-27  
Publisher: John Wiley & Sons, Ltd.  
ISSN: 0749-503X  
NTE Includes references  
DT Article; (ELECTRONIC RESOURCE)  
FS Non-US  
LA English

L4 ANSWER 3 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2009) on STN  
AN 2007:99180 AGRICOLA  
DN IND43950372  
TI Spore germination in *Mortierella alpina* is associated with a transient depletion of arachidonic acid and induction of fatty acid desaturase gene expression.  
AU Lounds, C.; Eagles, J.; Carter, A. T.; MacKenzie, D. A.; Archer, D. B.  
SO Archives of microbiology, 2007 Oct. Vol. 188, no. 4 p. 299-305  
Publisher: Berlin/Heidelberg : Springer-Verlag  
ISSN: 0302-8933  
NTE Includes references  
DT Article; (ELECTRONIC RESOURCE)  
FS Non-US  
LA English

L4 ANSWER 4 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2009) on STN  
AN 2007:76664 AGRICOLA  
DN IND43927895  
TI Responses of a Thermophilic *Synechococcus* Isolate from the Microbial Mat of Octopus Spring to Light.  
AU Kilian, Oliver; Steunou, Anne-Soisig; Fazeli, Fariba; Bailey, Shaun; Bhaya, Devaki; Grossman, Arthur R.  
SO Applied and environmental microbiology AEM, 2007 July 1 Vol. 73, no. 13 p. 4268-4278  
Publisher: American Society for Microbiology  
ISSN: 0099-2240  
NTE Includes references  
DT Article; (ELECTRONIC RESOURCE)  
FS Other US  
LA English

L4 ANSWER 5 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States

of America. It contains copyrighted materials. All rights reserved.  
(2009) on STN

AN 2004:16072 AGRICOLA  
DN IND43621878

TI Effects of beef- and fish-based diets on the kinetics of n--3 fatty acid metabolism in human subjects.

AU Pawlosky, R.J.; Hibbeln, J.R.; Lin, Y.; Goodson, S.; Riggs, P.; Sebring, N.; Brown, G.L.; Salem, N. Jr

AV DNAL (389.8 J824)

SO American journal of clinical nutrition, 2003 Mar. Vol. 77, no. 3 p. 565-572  
ISSN: 0002-9165

NTE Includes references  
DT Article  
FS Other US  
LA English

L4 ANSWER 6 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2009) on STN

AN 2000:60364 AGRICOLA  
DN IND22060412

TI Characterization of the Brassica napus extraplastidial linoleate desaturase by expression in *Saccharomyces cerevisiae*.

AU Reed, D.W.; Schafer, U.A.; Covello, P.S.

AV DNAL (450 P692)

SO Plant physiology, Mar 2000. Vol. 122, No. 3. p. 715-720  
CODEN: PLPHAY; ISSN: 0032-0889

NTE Includes references  
CY Maryland; United States  
DT Article; Conference  
FS Other US  
LA English

L4 ANSWER 7 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
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AN 1999:55493 AGRICOLA  
DN IND21996569

TI The delta 8-desaturase of *Euglena gracilis*: an alternate pathway for synthesis of 20-carbon polyunsaturated fatty acids.

AU Wallis, J.G.; Browse, J.

CS Washington State University, Pullman.

AV DNAL (381 Ar2)

SO Archives of biochemistry and biophysics, May 15, 1999. Vol. 365, No. 2. p. 307-316  
Publisher: Orlando, Fla. : Academic Press.  
CODEN: ABBIA4; ISSN: 0003-9861

NTE Includes references  
CY Florida; United States  
DT Article  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L4 ANSWER 8 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
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AN 97:82251 AGRICOLA  
DN IND20604778  
TI Characterization of *Saccharomyces cerevisiae* CYP61, sterol delta 22-desaturase, and inhibition by azole antifungal agents.  
AU Kelly, S.L.; Lamb, D.C.; Baldwin, B.C.; Corran, A.J.; Kelly, D.E.  
CS Sheffield University, UK.  
AV DNAL (381 J824)  
SO The Journal of biological chemistry, Apr 11, 1997. Vol. 272, No. 15. p. 9986-9988  
Publisher: Bethesda, Md. : American Society for Biochemistry and Molecular Biology.  
CODEN: JBCHA3; ISSN: 0021-9258  
NTE Includes references  
CY Maryland; United States  
DT Article  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L4 ANSWER 9 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2009) on STN  
AN 97:52675 AGRICOLA  
DN IND20578301  
TI Identification of an animal omega-3 fatty acid desaturase by heterologous expression in *Arabidopsis*.  
AU Psychalla, J.P.; Kinney, A.J.; Browse, J.  
CS Psychalla Farms, Inc., Antigo, WI.  
SO Proceedings of the National Academy of Sciences of the United States of America, Feb 18, 1997. Vol. 94, No. 4. p. 1142-1147  
Publisher: Washington, D.C. : National Academy of Sciences,  
CODEN: PNASA6; ISSN: 0027-8424  
NTE Includes references  
CY District of Columbia; United States  
DT Article; Conference  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L4 ANSWER 10 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2009) on STN  
AN 97:39759 AGRICOLA  
DN IND20569216  
TI Reevaluation of the pathways for the biosynthesis of polyunsaturated fatty acids.  
AU Sprecher, H.; Luthria, D.L.; Mohammed, B.S.; Baykousheva, S.P.  
CS Ohio State University, Columbus, OH.  
AV DNAL (381 J8282)  
SO Journal of lipid research, Dec 1995. Vol. 36, No. 12. p. 2471-2477  
Publisher: Bethesda, Md. : Lipid Research, inc., 1959-  
CODEN: JLPRAW; ISSN: 0022-2275  
NTE Includes references  
CY Maryland; United States  
DT Article  
FS U.S. Imprints not USDA, Experiment or Extension  
LA English

L4 ANSWER 11 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States

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AN 96:13101 AGRICOLA  
 DN IND20500208

TI Essential fatty acid metabolism in the feline: relationship between liver and brain production of long-chain polyunsaturated fatty acids.

AU Pawlosky, R.; Barnes, A.; Salem, N. Jr  
 CS National Institute on Alcoholism and Alcohol Abuse, Rockville, MD.  
 AV DNAL (381 J8282)

SO Journal of lipid research, Nov 1994. Vol. 35, No. 11. p. 2032-2040  
 Publisher: Bethesda, Md. : Lipid Research, inc., 1959-  
 CODEN: JLPRAW; ISSN: 0022-2275

NTE Includes references  
 CY Maryland; United States  
 DT Article  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

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AN 93:90708 AGRICOLA  
 DN IND20356984

TI Polyunsaturated fatty acid metabolism and acetylated low density lipoprotein uptake in J774A.1 cells.

AU Shichiri, G.; Kinoshita, M.; Saeki, Y.  
 AV DNAL (410 B77)

SO Animal behaviour, June 1993. Vol. 45, No. pt.6. p. 231-237  
 Publisher: London : Academic Press.  
 CODEN: ANBEA8; ISSN: 0003-3472

NTE Includes references  
 CY England; United Kingdom  
 DT Article  
 FS Non-U.S. Imprint other than FAO  
 LA English

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AN 92:49884 AGRICOLA  
 DN IND92024892

TI Effect of feed on the composition of milk fat.

AU Grummer, R.R.  
 CS University of Wisconsin, Madison  
 AV DNAL (44.8 J822)

SO Journal of dairy science, Sept 1991. Vol. 74, No. 9. p. 3244-3257  
 Publisher: Champaign, Ill. : American Dairy Science Association.  
 CODEN: JDSCAE; ISSN: 0022-0302

NTE Literature review.  
 Includes references.  
 DT Article; (SURVEY OF LITERATURE)  
 FS U.S. Imprints not USDA, Experiment or Extension  
 LA English

=> FIL STNGUIDE  
 COST IN U.S. DOLLARS  
 FULL ESTIMATED COST

SINCE FILE ENTRY	TOTAL SESSION
19.51	19.73

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